

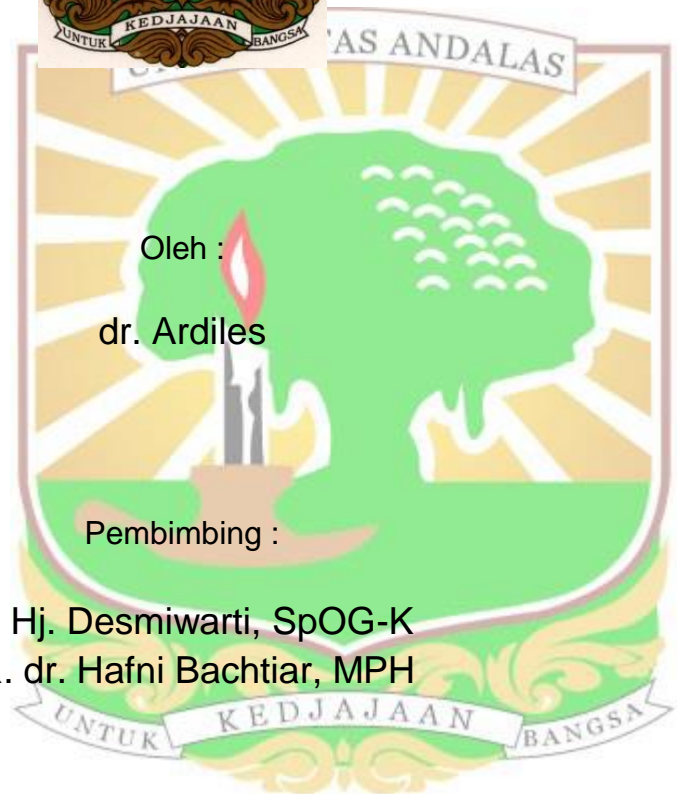
**HUBUNGAN TNF- α dan MMP-9 DENGAN KETUBAN PECAH DINI PRETERM
(TESIS)**



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ABSTRACT

RELATIONS TNF- α and MMP-9 WITH PRETERM PREMATURE RUPTURE OF MEMBRANE

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Background: Knowing the difference in TNF- α and MMP-9 levels in patients with preterm premature rupture of membrane and preterm without rupture of membrane.

Methods : This study is a cross-sectional comparative performed in Achmad Mochtar hospitals at Bukit Tinggi and Solok hospitals at since June 2016 - September 2016. In the study sample get as many as 48 people were grouped into two groups: preterm PROM group and preterm without rupture of membrane group, each group had samples of 24 people who meet the inclusion and exclusion criteria. All patients were administered according to the standard procedure. In both groups examined serum TNF- α and MMP-9.

Results : Serum levels of TNF- α in patients with preterm premature rupture of pregnancy higher at 17.43 ng / mL with a standard deviation of 12.4 ng / mL compared to the mean levels of serum TNF- α without pregnancy of preterm premature rupture that 8.45 ng / mL with a standard deviation of 6.86 ng / mL.

Serum levels of MMP-9 in patients with preterm premature rupture of pregnancy is higher at 8.77 ng / mL with a standard deviation of 4.41 ng / mL, compared to the mean levels of serum MMP-9 without pregnancy of preterm premature rupture that 4.46 ng / mL with a standard deviation of 3.04 ng / mL.

Conclusion: There are differences level of TNF- α and MMP-9 serum in patients with preterm premature rupture of membrane and preterm without rupture of membrane

Keywords: TNF- α , MMP-9, preterm PROM, preterm without rupture of membrane

Abstrak

HUBUNGAN TNF- α dan MMP-9 DENGAN KETUBAN PECAH DINI PRETERM

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Tujuan : Mengetahui kadar TNF- α dan MMP-9 pada KPD preterm dan kehamilan preterm

Metode : Penelitian ini merupakan *cross sectional comparative* yang dilakukan di RSUD Achmad Mochtar Bukit Tinggi dan RSUD Solok sejak Juni 2016 – September 2016. Di dapatkan sampel penelitian sebanyak 48 orang yang dikelompokkan kedalam dua kelompok yaitu kelompok dengan KPD preterm dan kelompok preterm tanpa KPD, masing-masing kelompok memiliki sampel sebanyak 24 orang yang memenuhi kriteria inklusi dan eksklusi. Semua pasien ditatalaksana sesuai standar prosedur. Pada kedua kelompok dilakukan pemeriksaan TNF- α dan MMP-9 serum.

Hasil : Kadar serum TNF- α pada pasien ketuban pecah dini kehamilan preterm lebih tinggi yaitu 17,43 ng/mL dengan standar deviasi 12,4 ng/mL dibandingkan rerata kadar serum TNF- α kehamilan preterm tanpa ketuban pecah dini yaitu 8,45 ng/mL dengan standar deviasi 6,86 ng/mL.

Kadar serum MMP-9 pada pasien ketuban pecah dini kehamilan preterm lebih tinggi yaitu 8,77 ng/mL dengan standar deviasi 4,41 ng/mL, dibandingkan rerata kadar serum MMP-9 kehamilan preterm tanpa ketuban pecah dini yaitu 4,46 ng/mL dengan standar deviasi 3,04 ng/mL.

Kesimpulan : Terdapat perbedaan kadar TNF- α dan MMP-9 serum pada pasien ketuban pecah dini preterm dengan pasien preterm tanpa ketuban pecah dini.

Kata kunci : TNF- α , MMP-9 KPD preterm, preterm tanpa KPD